

**Annotated Sheet Showing
Changes Made**



Title	Abbreviation	Chosen	Severity
<input type="checkbox"/> Coding Style		<input checked="" type="checkbox"/>	
Access Of Static Members Through Objects	AOSMTO	<input checked="" type="checkbox"/>	800
Assignment To Formal Parameters	ATFP	<input checked="" type="checkbox"/>	802
Complex Assignment	CA	<input checked="" type="checkbox"/>	
Don't Use the Negation Operator Frequently	DUNOF	<input checked="" type="checkbox"/>	
Operator '?' May Not Be Used	OMNBU	<input checked="" type="checkbox"/>	
Provide Incremental In For-Statement or use w...	PIIFS	<input checked="" type="checkbox"/>	
Replacement For Demand Imports	RFDI	<input checked="" type="checkbox"/>	
Use Abbreviated Assignment Operator	UAAO	<input checked="" type="checkbox"/>	
Use 'this' Explicitly To Access Class Members	UTETACM	<input checked="" type="checkbox"/>	
<input type="checkbox"/> Critical Errors		<input checked="" type="checkbox"/>	
Avoid Hiding Inherited Attributes	AHIA	<input checked="" type="checkbox"/>	
Avoid Hiding Inherited Static Methods	AHISM	<input checked="" type="checkbox"/>	
Command Query Separation	CQS	<input checked="" type="checkbox"/>	
Hiding Of Names	HON	<input checked="" type="checkbox"/>	
Inaccessible Constructor Or Method Matches	ICOMM	<input checked="" type="checkbox"/>	
Multiple Visible Declarations With Same Name	MVDWSN	<input checked="" type="checkbox"/>	
Overriding a Non-Abstract Method With an Ab...	ONAMWAM	<input checked="" type="checkbox"/>	
Overriding a Private Method	OPM	<input checked="" type="checkbox"/>	
<input type="button" value="Select all"/> <input type="button" value="Unselect all"/> <input type="button" value="Set defaults"/> <input type="button" value="Save set As..."/> <input type="button" value="Load set..."/>			

AOSMTO - Access Of Static Members Through Objects 804

Static members should be referenced through class names rather than through objects.

Drawing made more clear.
Increased contrast.

FIG. 8A

**Annotated Sheet Showing
Changes Made**

806

The screenshot shows a software window titled "OA Audit". It contains a table with columns for "Title", "Abbreviation", "Chosen" (with checkboxes), and "Severity" (set to "Normal"). The rows list various coding guidelines:

Title	Abbreviation	Chosen	Severity
Complex Assignment	CA	<input checked="" type="checkbox"/>	Normal
Don't Use the Negation Operator Frequently	DUNOF	<input checked="" type="checkbox"/>	Normal
Operator '?' May Not Be Used	OMNBU	<input checked="" type="checkbox"/>	Normal
Provide Incremental In For-Statement or use w...	PIIFS	<input checked="" type="checkbox"/>	Normal
Replacement For Demand Imports	RFDI	<input checked="" type="checkbox"/>	Normal
Use Abbreviated Assignment Operator	UAAO	<input checked="" type="checkbox"/>	Normal

Buttons at the bottom include "Select all", "Unselect all", "Set defaults", "Save set As...", and "Load set...".

808

CA - Complex Assignment

Checks for the occurrence of multiple assignments and assignments to variables within the same expression. Too complex assignments should be avoided since they decrease program readability.

Wrong

```
// compound assignment
i *= j++;
k = j = 10;
l = j += 15;
// nested assignment
i = j++ + 20;
i = (j = 25) + 30;
```

810

Tip: Break statement into several ones.

Drawing made more clear.

FIG. 8B

**Annotated Sheet Showing
Changes Made**

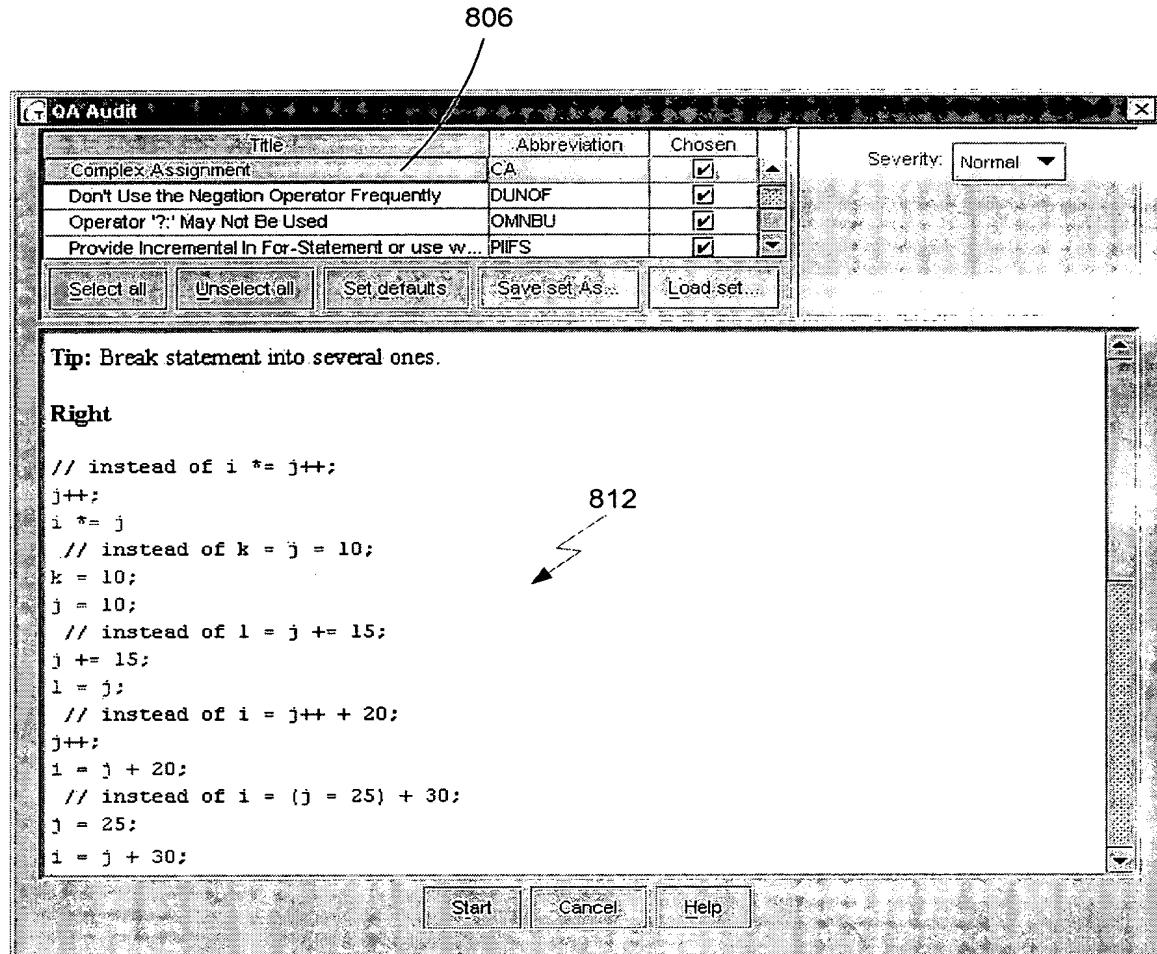
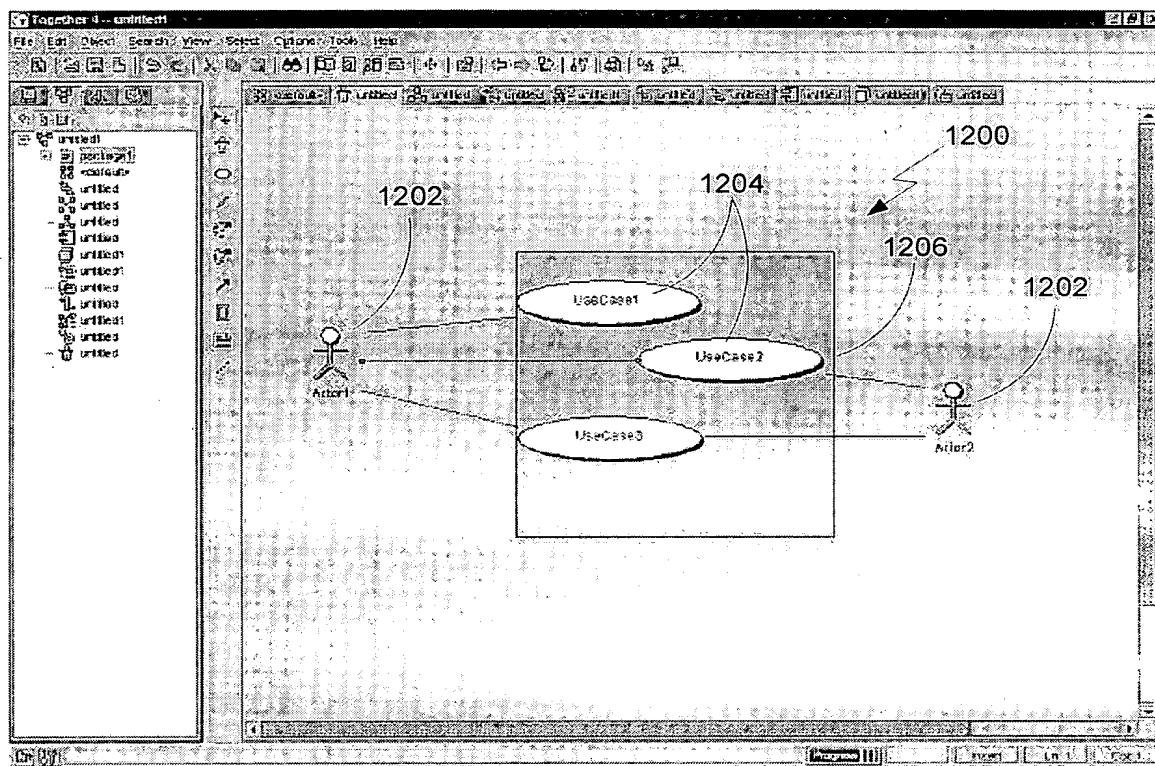


FIG. 8C

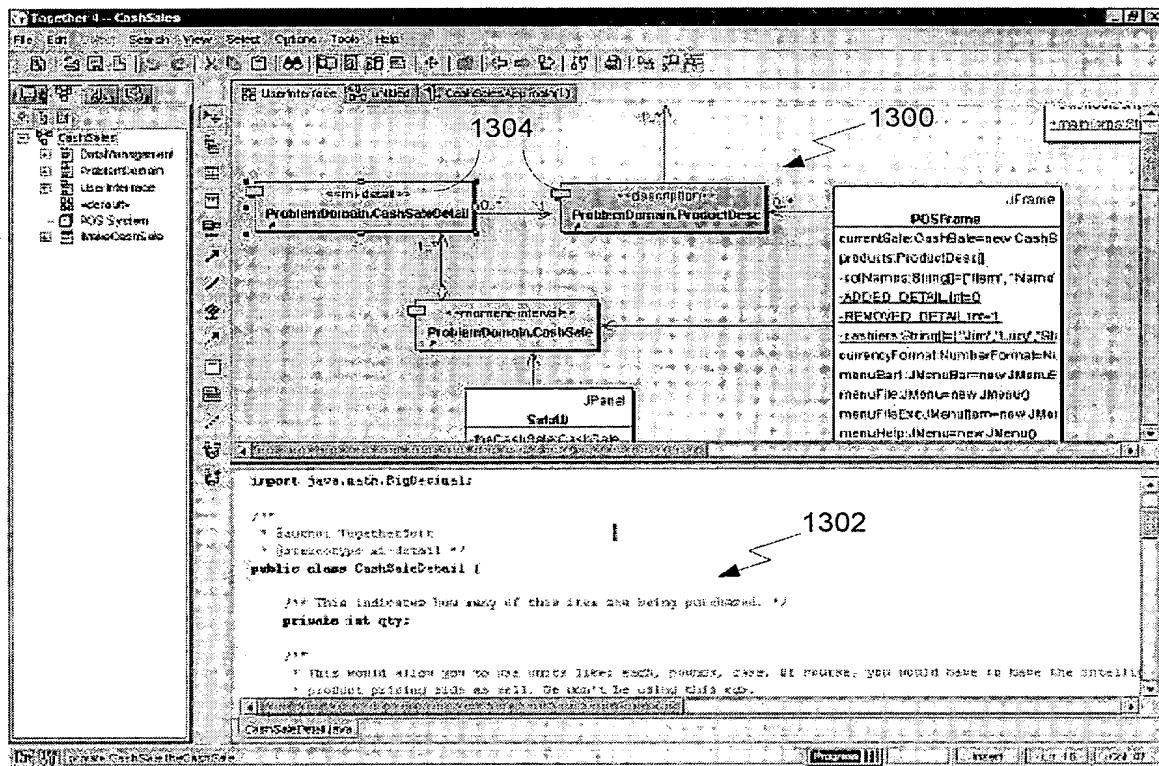
**Annotated Sheet Showing
Changes Made**



Drawing made more clear.

FIG. 12

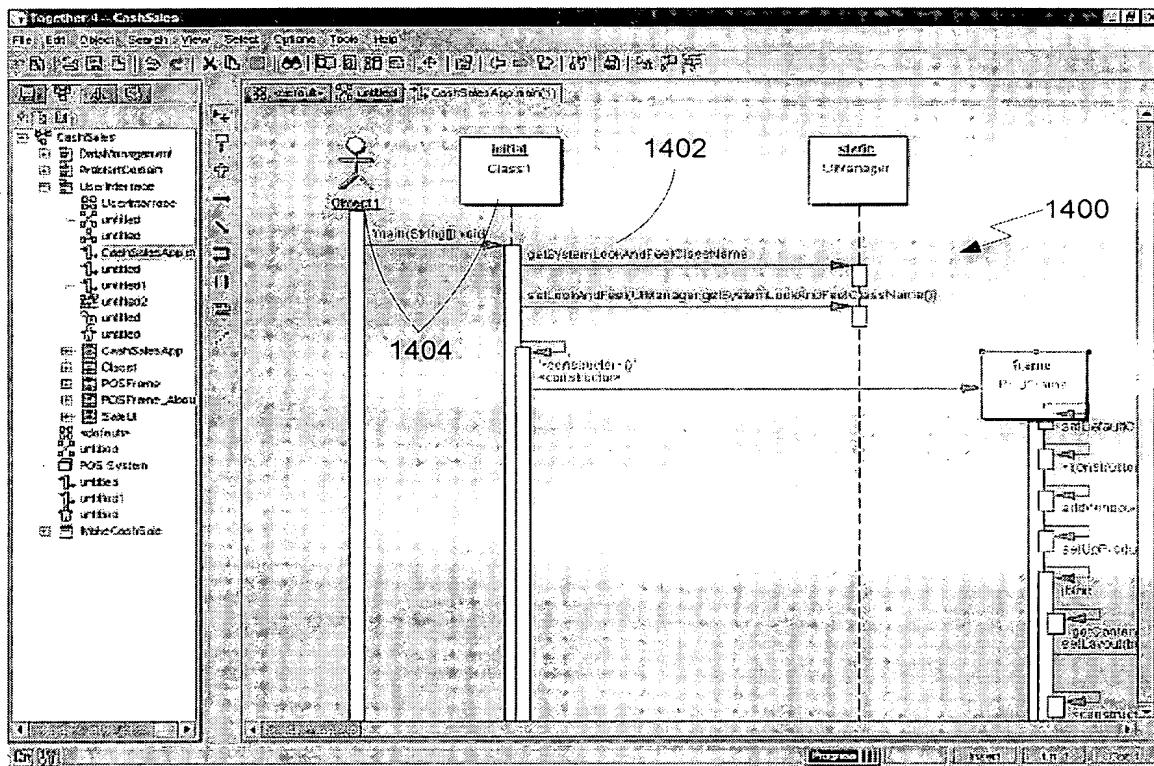
**Annotated Sheet Showing
Changes Made**



Drawing made more clear.

FIG. 13

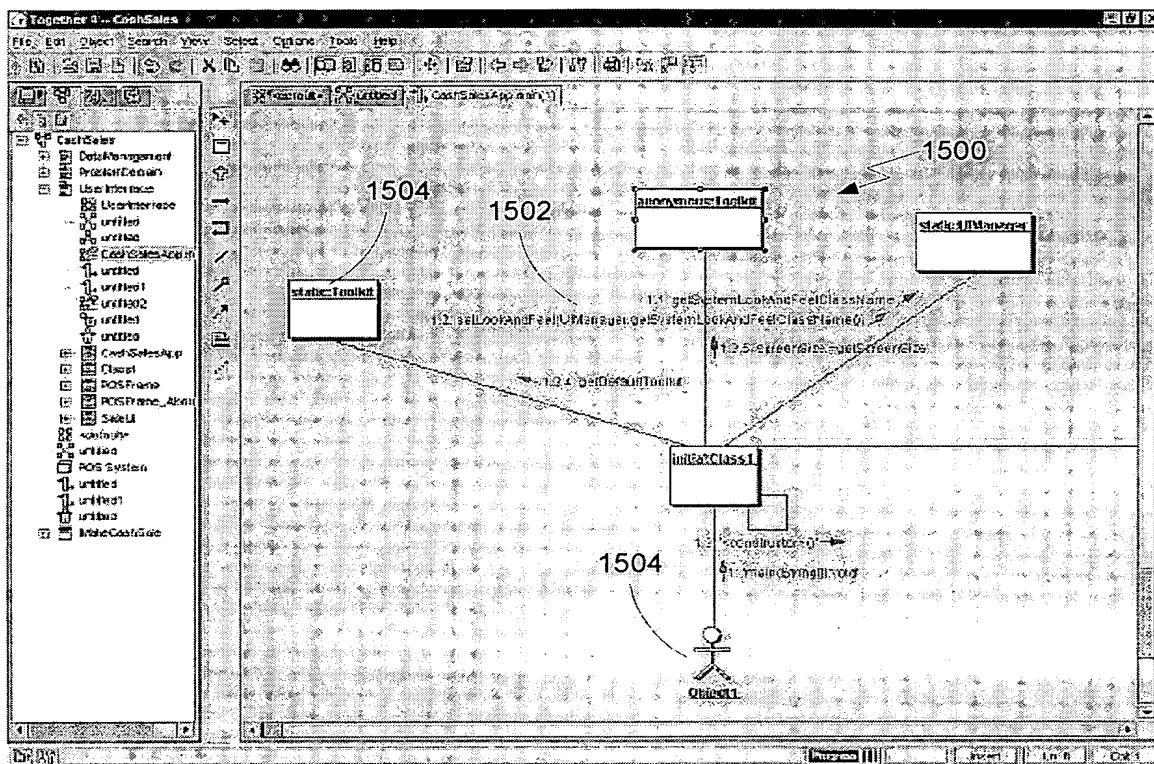
Annotated Sheet Showing Changes Made



Drawing made much clearer.

FIG. 14

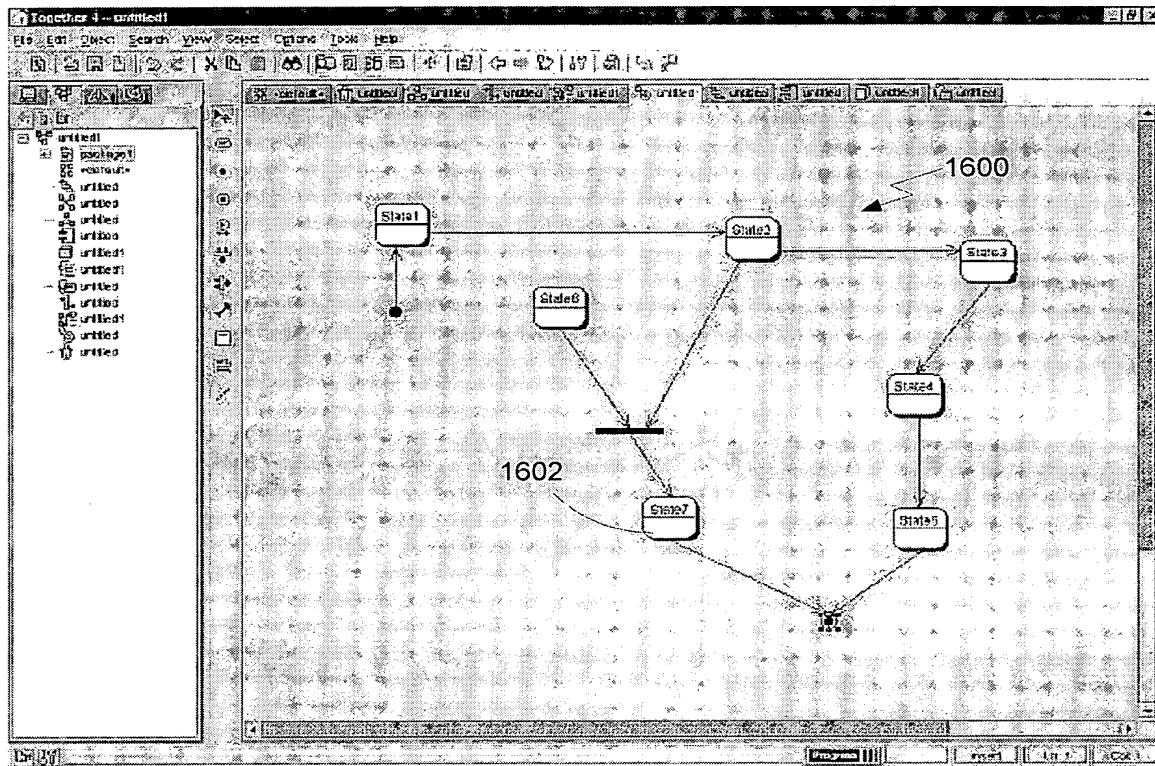
**Annotated Sheet Showing
Changes Made**



Drawing made more clear.

FIG. 15

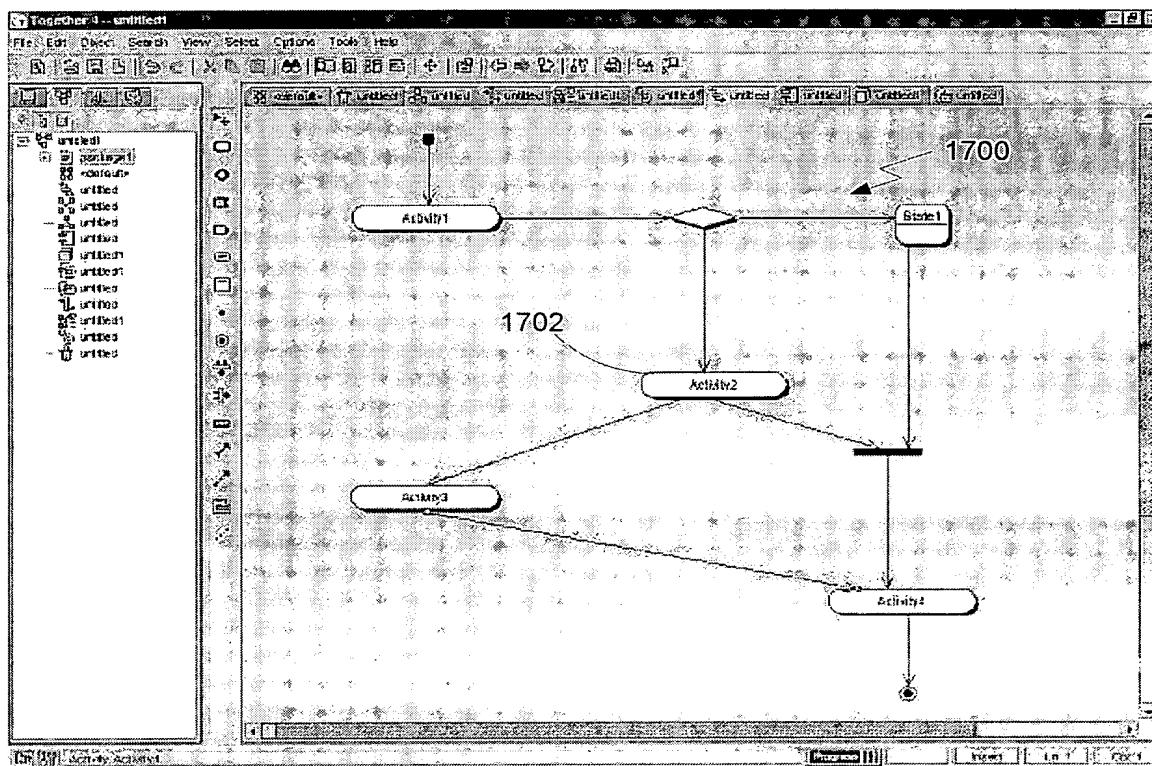
**Annotated Sheet Showing
Changes Made**



Drawing made more clear.

FIG. 16

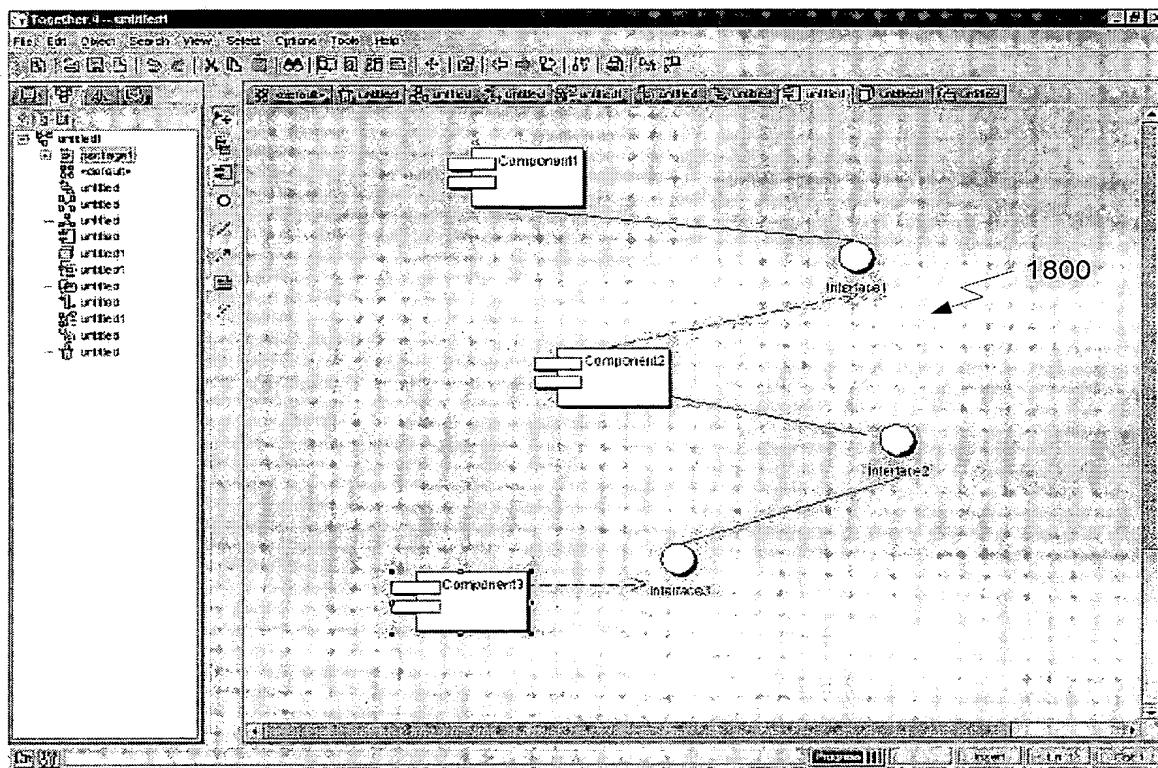
Annotated Sheet Showing
Changes Made



Drawing made more clear.

FIG. 17

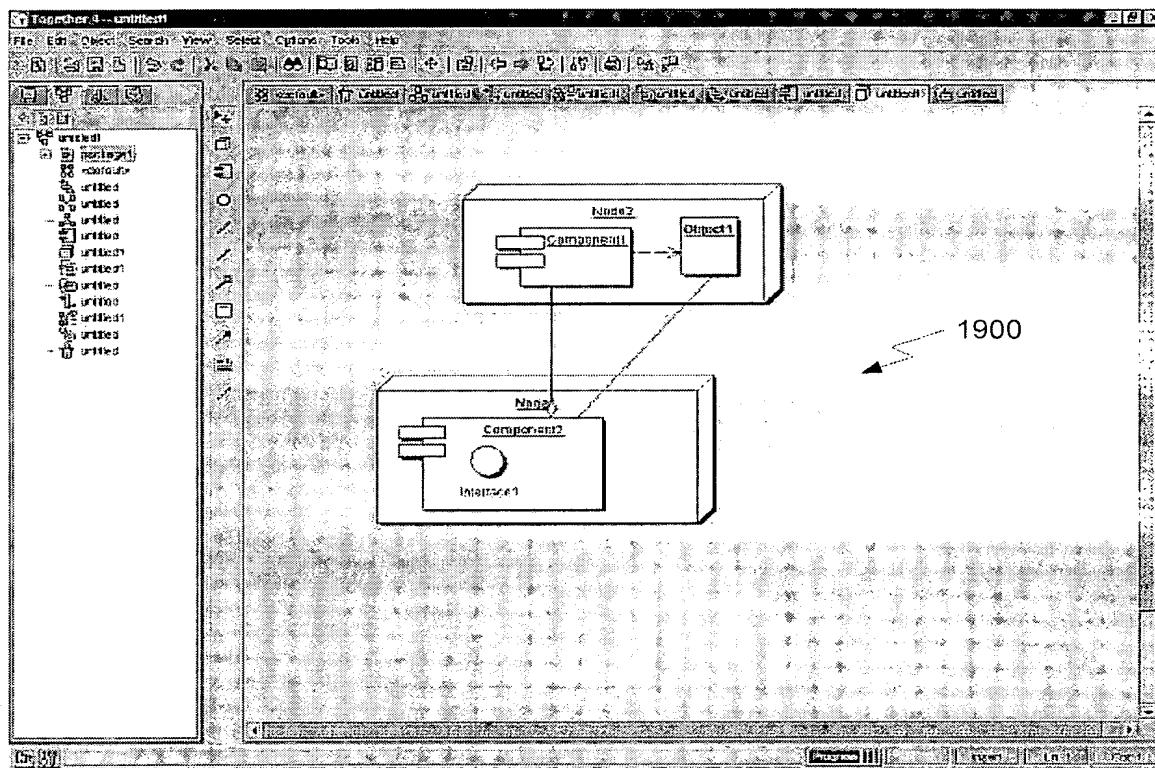
**Annotated Sheet Showing
Changes Made**



Drawing made more clear.

FIG. 18

**Annotated Sheet Showing
Changes Made**



Drawing made more clear.

FIG. 19